Internal Monitoring Report

Policy: EL-2C Financial Planning/Budgeting

Frequency: Twice a year (May and August) **Date:** May 27, 2014

I certify that the following information is true.

Signed _____, General Manager

Policy Language:

The General Manager shall not cause or allow financial planning to deviate materially from the board's Outcomes priorities, risk financial jeopardy or fail to be derived from a multiyear plan.

Accordingly, the General Manager shall not cause or allow conditions, procedures or decisions that:

1. Allow budgeting which would risk incurring those situations or conditions described as unacceptable in the Financial Condition and Activities policy (EL-2D).

2. Fail to provide the full amount established by the board according to the Agenda Planning to Achieve Board Outputs policy (BP-2C).

General Manager's interpretation and its justification:

This Executive Limitations policy recognizes that financial planning and sound budgeting are necessary for the achievement of the board's Outcomes priorities and in order to avoid financial jeopardy. Sound budgeting is also necessary for the board to invest resources in improving its own governance capacity. The utility has the responsibility to establish, manage and plan for the necessary water rates and debt to fund all expenditures to meet identified capital and operational requirements, and to budget accordingly.

The board has enumerated in this policy two specific areas: budgeting in accordance with policy EL-2D, and providing funds for board education and training as described in policy BP-2C.

Data directly addressing the General Manager's interpretation:

The Water Utility Capital Budget and Capital Improvement Plan is aligned materially with the board's Outcomes priorities, including the Global Outcomes Policy and the Water Quantity, Water Quality, and Reliability policies. In addition, it projects capital expenses through year 2020. A copy of this document is attached.

The utility has implemented and uses a financial planning model to evaluate and project funding required to finance infrastructure and operating needs. Through the use of this model, bond sales are planned and rate increases are developed.

The 2015 Operating Budget is a master agenda item for the August board meeting. It will include the amount of $1,500.00 as approved by the board at its April 30, 2014 meeting, for board governance capacity as described in Board Process policies BP-2C and BP-2J.

I report compliance.

Attachment:

2015 Capital Budget and Capital Improvement Plan

Madison Water Utility - 2015 Capital Budget

2015-2030 Capital Improvement Budget

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Updated: **May 21, 2014**

Line	Project	Date/Description/Purpose	Primary Construction Year	Tasks	2014 Carry Over	2015	2016	2017	2018	2019	2020
				Annual Totals	*$ 20,009,000*	*$ 24,586,000*	*$ 28,416,500*	*$ 27,786,000*	*$ 20,684,000*	*$ 17,982,000*	*$ 28,778,000*
1	***Arbor Hills Supplemental Fire Flow Supply - BPS 118***		***2011***								
2		Booster Pump Station 118 was constructed and put into service in 2012. The last phase of the project, Phase 4 of the		Cannonball Pipeline	642,000						
3		Cannonball Pipeline is budgeted to be constructed in 2015.		**Project Total**	**642,000**	**-**	**-**	**-**	**-**	**-**	**-**
4											
5	***Unit Well No. 7 - Fe and Mn Filtration***		***2014***								
6		Construction of a filter at Well 7 will address the water quality issues that exist due to iron and manganese levels that		Public Engagement							
7		exceed or approach the EPA secondary standard. A filter will significantly reduce the iron and manganese levels in the		UW 7 - Filter Design							
8		water pumped from the facility into the system. Filtering the water and removing the iron and manganese will reduce the		Property Purchase							
9		likelihood of customers experiencing colored water due to water pumped from Well 7 and will allow the Utility to increase		Construction Admin Services	144,000						
10		the use of the well. Construction is commencing in June 2014 and the facility will be fully operational June 2015. Piping		Construction of Unit Well No. 7 Fe and Mn Filter	**2,400,000**						
11		improvements are included in the budget to improve hydraulics in the system and allow water from Well 7 to be pumped to a wide area of the east and north side of Madison. This improvement provides flexibility and reliability to the system.		Hydraulic Improvement Pipelines			891,000				1,003,000
12				**Project Total**	**2,544,000**	**-**	**891,000**	**-**	**-**	**-**	**1,003,000**
13											
14	***Booster Pump Station #106 Reconstruction***		***2013***								
15		Rebuilding the outdated Booster Pump Station 106 will be finished by mid 2014. Booster Pump Station 106 is a critical		Public Engagement							
16		link between Pressure Zones 6 and 7 and allows water to be moved between zones. The new facility replaces the oldest		Consultant Design contract							
17		pump station and brings the pump station up to current safety standards and codes. The pump station improves		Construction of Pump Station							
18		reliability of operation and improves access and employee safety. To fully benefit from the pump station upgrade, hydraulic capacity improvements to the distribution system have been budgeted. These piping improvements will allow		Construction Contract Administration							
19		BPS 106 provide excellent water supply service to the near west side.		Pipeline Improvements	616,000	483,000	891,000	612,000			
20				**Project Total**	**616,000**	**483,000**	**891,000**	**612,000**	**-**	**-**	**-**
21											
22	***Paterson Street Building Remodel and Upgrade***		***2015***			7,623,000	Total Budgeted Construction Cost				
23		Rebuilding the Utility's Operations Center at Paterson Street is currently scheduled to start construction in 2015 and be		Public Engagement	24,000						
24		finished and in service in early 2016. The existing facility is outdated and cramped and in need of replacement and this		Architectural Services/Review	281,000						
25		project has been in development for over 10 years. The vehicle maintenance area is too small for modern equipment		Materials Storage Building			1,219,000				
26		and compromises employee safety. Building air quality and ventilation does not meet modern standards. The office		Furnishings and Equipment			522,000				
27		space, locker rooms and other functional storage spaces do not meet current needs. The project also includes the		Construction Admin	308,000						
28		construction of a materials handling building that will free up space in the vehicle storage building and improve efficiency during winter operations. Utility staff have been working with City Planning on efficient and effective use of the property considering the long term redevelopment of the area.		Fleet Maintenance and Office Building Construction	**6,158,000**	**246,000**					
29				**Project Total**	**6,771,000**	**246,000**	**1,741,000**	**-**	**-**	**-**	**-**
30											
31	***Lakeview Reservoir Reconstruction (Res 113)***		***2015***								
32		The schedule for the construction of the Lakeview Reservoir has been pushed back to 2015 with the reservoir on line in		Public Engagement							
33		late 2015. *Reconstructing the Lakeview Reservoir* will replace an aging storage tank for Pressure Zone 5 and provide		Engineering Services	60,000						
34		much needed additional gravity fed water storage in Zone 6E on the north side of the City. Storage is needed in Zone 6E to provide additional operational flexibility and emergency backup. The reservoir is being developed as a two zone		Construct Two Zone Lakeview Reservoir	**2,680,000**	**1,820,000**					
35		facility to optimize the use of the site. This project is justified in the Water Master Plan and will improve fire fighting capacity and reliability to both Pressure Zone 5 and Pressure Zone 6E.		System Hydraulic Water Main Improvements			594,500				
36				Upgrade Booster Pumps @ Res. 113		840,000					
37				Water Main Improvements @ Res 113		692,000					
38				**Project Total**	**2,740,000**	**3,352,000**	**594,500**	**-**	**-**	**-**	**-**
39											

Madison Water Utility - 2015 Capital Budget

2015-2030 Capital Improvement Budget

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Updated: **May 21, 2014**

Line	Project	Date/Description/Purpose	Primary Construction Year	Tasks	2014 Carry Over	2015	2016	2017	2018	2019	2020
			Annual Totals		*$ 20,009,000*	*$ 24,586,000*	*$ 28,416,500*	*$ 27,786,000*	*$ 20,684,000*	*$ 17,982,000*	*$ 28,778,000*
40	***UW 29 Filter Capacity Expansion***		***2014***								
41		The filter system at Unit Well 29 was constructed with 50% capacity of the well. The filters are rated at 1,100 gpm due to a concern with contaminants under the Sycamore Landfill. A sentry well was installed between the landfill and the well to monitor water quality. Current pumping and water quality data show no indication of a problem with the Sycamore Landfill with regard to Well 29 operation at the sentry well. It is proposed to increase the capacity of the filtration system to 2,200 gpm to match the capacity of the well while maintaining the annual pumping at 560 million gallons per year. This provides improved operational flexibility and peak demand supply capacity on the east side of Pressure Zone 6E.		Engineering Services	30,000						
42				Increase Filter Capacity	**400,000**						
43				Construction Engineering	16,000						
44				**Project Total**	**446,000**	**-**	**-**	**-**	**-**	**-**	**-**
45											
46	***Zone 4 Fire Flow Supply Augmentation - Well 31***		***2015***								
47		The *Well 31* project will correct a significant system deficiency identified by the Water Master Plan in the southeast corner of the system. Due to significant expansion of the system over the years to the south and east, the hydraulics of the system will not adequately serve this area for fire flow supply or system reliability and redundancy. Adding a second source of supply to the area will improve fire flow capacity and bring the water system level of service for the area up to Utility standards. Two test wells were constructed in 2012 and the production well was drilled in 2013. Unit Well 31 is scheduled to be designed in 2014 and construction will start in mid 2015 and be finished and in service in 2016.		Public Engagement	5,000						
48				Drill Production Well							
49				Engineering Services	180,000						
50				Construction		**5,150,000**					
51				Construction Administration		258,000					
52				Hydraulic Improvement Pipelines			654,000				
53				**Project Total**	**185,000**	**5,408,000**	**654,000**	**-**	**-**	**-**	**-**
54											
55	***Unit Well 12 Conversion to a Two Zone Well***		***2015***								
56		The 2006 Water Master Plan recommended that Well 12 be converted to a two zone well. This conversion will provide operational flexibility and reliability to the west side supply system. Pumps and a pressure reducing valve will be added to the Well 12 facility to move water from Pressure Zone 7 to Pressure Zone 8 or from Pressure Zone 8 to Pressure Zone 7.		Engineering Services	48,000						
57				Construction Administration		30,000					
58				Construction		**600,000**					
59				Water Main Improvements		361,000					
60				**Project Total**	**48,000**	**991,000**	**-**	**-**	**-**	**-**	**-**
61											
62	***Upgrade of BPS 115***		***2015***								
63		*The upgrade of Booster Pump Station 115* will mitigate a long standing low pressure problem in the Bunker Hill Reservoir area. The station will also provide the Utility with operational flexibility and an supplemental water supply point to the east side of I-90. The station will transfer water from Zone 6E to Zone 3 and back again through a PRV. UW Hospital is building a new facility in the American Family area and requires a redundant water supply. This project will meet that need. The upgraded pump station will benefit customers through gained system reliability.		Engineering Services	67,000						
64				Upgrade BPS 115 to a 2 Zone facility with Generator	850,000						
65				Water Main Improvements	750,000	700,000					
66				**Project Total**	**1,667,000**	**700,000**	**-**	**-**	**-**	**-**	**-**
67											
68	***Iron and Manganese Filter at Well 19***		***2016***								
69		Construction of an *Iron and Manganese Filter at Well 19* will address the water quality in the Well 19 service area due to elevated levels of iron and manganese. The iron and manganese levels exceed Madison Water Utility water quality goals. Accumulation of iron and manganese solids in the distribution system results in a need for additional flushing to minimize the risk of colored water reaching customers. Removing the iron and manganese from the water using a filter improves finished water quality and reduces the need for frequent flushing. The project will benefit existing customers in the west campus area in Pressure Zone 6W.		Public Engagement	53,000						
70				Engineering Services	285,000	143,000					
71				Construction			**3,290,000**				
72				**Project Total**	**338,000**	**143,000**	**3,290,000**	**-**	**-**	**-**	**-**
73											
74	***Far West Elevated Reservoir***		***2016***								
75		The intent is to combine Pressure Zones 10 and 11 and construct a single Far West Side 1.0 MG elevated reservoir to hydraulicly balance the two zones and supplement the storage at High Point Road. The F*ar West Elevated Reservoir* project will provide additional gravity fed water storage capacity within Pressure Zone 10 and will add needed storage capacity to current Zone 11. The 250,000 gallon High Point Road reservoir is reaching its capacity and does not provide sufficient emergency reserve capacity. Providing minimum fire flow requirements to this area of the distribution system is necessary to meet minimum Utility standards. The project also provides a second feed to the area by using BPS 128 improving reliability. This 2006 Water Master Plan identified two elevated reservoirs for the far west side and this project will combine those two projects.		Public Engagement		55,000					
76				Engineering Services		301,000					
77				Construct 1 MG reservoir			**2,737,000**				
78				Reservoir piping improvements			338,000				
79				Water Main Improvements				927,000			
80				**Project Total**	**-**	**356,000**	**3,075,000**	**927,000**	**-**	**-**	**-**
81											

Madison Water Utility - 2015 Capital Budget

2015-2030 Capital Improvement Budget

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Updated: May 21, 2014

Line	Project	Date/Description/Purpose	Primary Construction Year	Tasks	2014 Carry Over	2015	2016	2017	2018	2019	2020
			Annual Totals		*$ 20,009,000*	*$ 24,586,000*	*$ 28,416,500*	*$ 27,786,000*	*$ 20,684,000*	*$ 17,982,000*	*$ 28,778,000*
82	***Zone 7 & 8 Supplemental Supply - Whitney Way***		***2017***								
83	The 2006 Water Master Plan recommends an additional well to serve Pressure Zones 7 and 8 to improve operational flexibility and system reliability. This recommendation was verified in 2009 during some preliminary planning for the project. Adding a well to the area with the ability to pump water to either Zones 7 or 8 will provide additional water supply capacity the west side and improve system reliability and redundancy. This facility will provide significant operational flexibility to the Utility within this portion of the system and ultimately benefit 5 different pressure zones across the entire west side. Projected development and growth on the west side and the Utility stated policy of limiting average well pumping to 50% of capacity for long term groundwater management make this an important water supply project.			Public Engagement	25,000						
84				Site Selection and Property Purchase	264,000						
85				Drill test well	108,000						
86				Drill production Well			863,000				
87				Well Siting Eng Services		129,000					
88				Unit Well Engineering Services			683,000				
89				Construction Administration				**5,250,000**			
90				Pipeline Improvements							1,471,000
91				**Project Total**	**397,000**	**129,000**	**1,546,000**	**5,250,000**	**-**	**-**	**1,471,000**
92											
93	***Iron and Manganese Filter at Well 30***		***2020***								
94	Iron and manganese concentrations at Well 30 exceed Utility water quality standards and guidelines. Construction of an Iron and Manganese Filter at Well 30 will address the water quality issues and risk of colored water events and customer complaints in the Well 30 service area. Annual system flushing is required in the Well 30 service area to minimize the risk of colored water events due to the accumulation of iron and manganese solids in the system. A filter would improve finished water quality and reduce the need for annual flushing in the Well 30 service area.			Public Engagement						61,000	
95				Engineering Services						499,000	
96				Construction							**3,840,000**
97				**Project Total**	**-**	**-**	**-**	**-**	**-**	**560,000**	**3,840,000**
98											
99	***VOC Air Stripper at Well 18***		***2018***								
100	Construction of an *VOC Air Stripper at Well 18* will address the pending water quality and regulatory issues due to increasing VOC levels at the well. Recent Water Quality monitoring at the well has indicated an increasing trend in the VOC levels. Additionally, regulatory changes may result in lower VOC limits dictating the need to treat the water at Well 18. Well 18 provides an excellent source of water to the south side of Madison within Pressure Zone 6W and it is in the Utility's best interests to maintain the well.			Public Engagement				58,000			
101				Engineering Services			-	378,000			
102				Construction					**2,910,000**		
103				**Project Total**	**-**	**-**	**-**	**436,000**	**2,910,000**		**-**
104											
105	***Unit Well No. 8 - Fe and Mn Filtration***		***2017***								
106	*East Side Phase 2 - Unit Well No. 8 - Fe and Mn Mitigation* will address current water quality issues at Well 8 resulting from iron and manganese levels that exceed the EPA secondary standard's. Due to the colored water as a result of the iron and manganese, well operation is currently limited to summer only and a total production of approximately 100 million gallons per year. The need for this project was verified by the East Side Water Supply project and a public engagement process was started. Initially this project was scheduled for construction in 2013. Due to concerns about the nearby Madison Kipp Corporation, the project was delayed. Installation of a filter would allow the well to be operational all year long. The project will benefit existing customers in the east Isthmus area and improve the quality of the water pumped from Well 8. Space will be included in the project for the future addition of an air stripper if it is needed.			Public Engagement		55,000					
107				Engineering Services			696,000				
108				Property Acquisition			500,000				
109				Well 8 Fe and Mn Filter Construction				**5,350,000**			
110				Hydraulic Improvement Pipelines					1,040,000		1,104,000
111				**Project Total**	**-**	**55,000**	**1,196,000**	**5,350,000**	**1,040,000**	**-**	**1,104,000**
112											
113	***Booster Pump Station 129 Reconstruction***		***2021***								
114	This project will replace the temporary pump station constructed on the Well 29 site in 1990. Pump Station 129 will continue to transfer water from Zone 6E to Zone 3 and back again through a PRV. This operation will provide supply and fire flow capability to the far east side of the system. It will benefit customers through gained reliability and flexibility of operations.			Public Engagement							63,000
115				Engineering Services							231,000
116				Water Main Improvements							
117				Construct BPS 129							
118				**Project Total**	**-**	**-**	**-**	**-**	**-**	**-**	**294,000**
119											

Madison Water Utility - 2015 Capital Budget

2015-2030 Capital Improvement Budget

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Updated: May 21, 2014

Line	Project	Date/Description/Purpose	Primary Construction Year	Tasks	2014 Carry Over	2015	2016	2017	2018	2019	2020
				Annual Totals	$ 20,009,000	$ 24,586,000	$ 28,416,500	$ 27,786,000	$ 20,684,000	$ 17,982,000	$ 28,778,000
120	***East Side Replacement Well (Well 3)***		***2021***								
121	Utility Well #3 was abandoned in early 2008 due to elevated levels of Carbon Tetrachloride. This project is intended to replace that lost supply capacity in Pressure Zone 6E. The need for a replacement well was verified by the East Side Water Supply project. The ***East Isthmus Unit Well*** will restore lost supply redundancy and reliability to the east Isthmus area. It is expected that the well will need a filter for iron and manganese removal and this is included in the budget for the project. There is also a possibility that VOC contamination will be present due to long term industrial land use on the Isthmus. The treatment plant will be designed with the intention of adding treatment if necessary. If the test well indicates that iron and manganese filtration is not needed, the capital cost will be significantly reduced.			Public Engagement							63,000
122				Drill test well and WQ analysis							
123				Property Purchase							
124				Drill new E. Isthmus Well							951,000
125				Consultant Design contract							799,000
126				Construction of Filter, Res & Pump Station							
127				Pipeline Improvements							
128				**Project Total**	-	-	-	-	-	-	**1,813,000**
129											
130	***Booster Pump Station/PRV 124 Construction***		***2021***								
131	Construction of a new booster pump station 124 to transfer water across the Yahara River and provide operational flexibility to the system. Pump Station 124 will transfer water from Zone 6W to Zone 6E and back again through a PRV. This operation will benefit customers through gained reliability and flexibility of operations. The pump station will allow the transfer of water from multiple wells if needed during a water shortage or equipment maintenance period.			Public Engagement							63,000
132				Engineering Services							231,000
133				Water Main Improvements							
134				Construct BPS 124							
135				**Project Total**	-	-	-	-	-	-	**294,000**
136											
143	***Pressure Zone 9 Storage***		***2022***								
144	Storage capacity within Pressure Zone 9 was identified in the Water Master Plan as being deficient. With the replacement of the elevated reservoir on Prairie Road in 2011 and 2012 with a 400,000 gallon tank, this situation was partially mitigated. A second reservoir with a capacity of 750,000 gallons will resolve the remainder of the Zone 9 storage deficiency. An elevated reservoir in the western portion of Zone 9 will provide hydraulic balance to the system. Pressure Zone 9 has developed significantly with not only residential but commercial and institutional facilities. The fire flow requirements have increased due to this development to the point that current facilities do not meet minimum standards.			Public Engagement							63,000
145				Reservoir Property Purchase							
146				Consultant Design Services							
147				Construct 750,000 gallon elevated reservoir							
148				Reservoir Pipeline Construction							
149				**Project Total**	-	-	-	-	-	-	**63,000**
150											
151	***Pump Station 220 - Raymond Road PS***		***2022***								
152	Construction of a booster pump station on the west side to move water between Zones 7, 9 and 10 and back again through a pressure reducing valve is scheduled to start in 2022 and be finished and in service by the end of the year. ***Booster Pump Station 220 - Raymond Road Pump Station*** will setup operational flexibility within Pressure Zones 7, 9 and 10. The station will transfer water from Zone 7 to Zones 9 and 10 and back again through a PRV. This operation will provide the ability to share water supply resources between zones and fully use existing facilities in providing operational flexibility. The project will also provide supply redundancy to the far west side.			Public Engagement							65,000
153				Engineering Services							
154				Dual Zone Pump Station Construction							
155				PRV station							
156				Booster Station Piping Upgrade							
157				**Project Total**	-	-	-	-	-	-	**65,000**
158											
188	***Near West Side Water Supply Project (Glenway)***		***2023***								
189	The Water Master Plan has identified this well project to mitigate a supply deficiency in Pressure Zones 6 and 7. The ***Near West Side Water Supply Project*** project will provide additional water supply capacity to both Zones 6 & 7. The final location of the proposed well will be determined following a significant public participation process and evaluation period.			Public Engagement						63,000	
190				Site Selection and Property Purchase							322,000
191				Drill Test Well							160,000
192				Drill production Well							
193				Engineering Services							
194				Construction of Unit Well, Filter, Reservoir and Pump Station							
195				Water Main Hydraulic Improvements							
196				**Project Total**	-	-	-	-	-	**63,000**	**482,000**
197											

Madison Water Utility - 2015 Capital Budget

2015-2030 Capital Improvement Budget

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207				Pipe Replacement Reinvestment Budget Goal		11,090,000			Pipe Replacement Reinvestment Budget Goal		14,020,000
208	***Pipeline Replacement/Rehab/Improvements***		**Ongoing**	**Total Pipe Rehab Budget**		**8,973,000**	**9,637,000**	**9,930,000**	**10,667,000**	**11,467,000**	**12,336,000**
209	Madison Water Utility has a planned system replacement and upgrade program that provides for annual main			Reconstruction Pipe Projects	900,000	3,950,000	4,108,000	4,272,000	4,443,000	4,621,000	4,806,000
210	replacement and rehabilitation. Assessment of an aging infrastructure indicates the Utility needs to replace or rehabilitate			Resurfacing Pipe Projects	600,000	3,850,000	4,000,000	4,400,000	4,840,000	5,324,000	5,856,000
211	over 400 miles of pipe in the next 40 years to renew and maintain the system. A planned annual increase in spending to			Pipe Lining Projects	300,000	1,040,000	1,144,000	1,258,000	1,384,000	1,522,000	1,674,000
212	accomplish this goal by 2050 will be continued. The Utility's Water Master Plan also recommends hydraulic			Verona Road Pipeline	425,000	133,000	385,000				
213	improvements to the system. It is proposed to significantly increase pipeline investment for hydraulic needs in 2015 and			East Johnson	780,000						
214	then increase this budget over the next 15 years to meet Master Plan recommendations.			New Pipeline Projects	290,000	966,000	1,038,000	1,116,000	1,200,000	1,290,000	1,387,000
215				Master Plan Hydraulic Improvement Pipe Projects			799,000	895,000	1,002,000	1,122,000	1,257,000
216				**Project Total**	**3,295,000**	**9,939,000**	**11,474,000**	**11,941,000**	**12,869,000**	**13,879,000**	**14,980,000**
217				Pipe Hydraulic Upgrade Investment Budget Goal		2,020,000			Pipe Hydraulic Upgrade Investment Budget Goal		3,890,000
218				Pipe Hydraulic Upgrade Investment Actual		966,000			Pipe Hydraulic Upgrade Investment Actual		3,061,000
219	***Misc. Pump Station/PRV/Facility Projects***		**Ongoing**								
220	The Water Master Plan identified various minor improvement projects that are necessary to sustain the established level			PRV Station Gammon Rd							
221	of service. For budgeting purposes, these projects are itemized under a single heading. Pressure Reducing stations will			Chemical Feed Room Mods		300,000	315,000	331,000	348,000	365,000	
222	be constructed throughout the system as needed to reduce areas of excessive pressure.			PRV Projects 2 per year		52,000	54,000	56,000	58,000	60,000	62,000
223				Misc. Projects		440,000	515,000	541,000	568,000	596,000	626,000
224				Consultant Services	-	95,000	106,000	111,000	117,000	123,000	83,000
225				**Project Total**	**-**	**887,000**	**990,000**	**1,039,000**	**1,091,000**	**1,144,000**	**771,000**
226											
227	***System Wide Misc Projects***		**Ongoing**								
228	Several system wide tasks are included in the Capital Budget that cover a variety of repair, rehabilitation, and upgrade			West Side Water Master Plan	175,000				365,000		
229	projects. The Utility's Infrastructure Management Plan recommends a reinvestment of $2.5 (2005 dollars) in system			Asset Management Plan	105,000				243,000		
230	facilities to sustain their viability for the long term. This would include Unit Well, pump station, and reservoir			SCADA Maintenance and 6 Year Upgrade		108,000	250,000	263,000	40,000	40,000	42,000
231	improvements and renewal. This budget proposes that an allotment for this purpose be started in 2014 and then			Video System Upgrades		42,000	43,000	44,000	45,000	46,000	47,000
232	increased annually to raise it to the recommended level. For budgeting purposes, these projects are itemized under a			Flow Meter and VFD Retrofit		211,000	217,000	224,000	231,000	238,000	245,000
233	single heading.			Meter Program		200,000	208,000	216,000	225,000	234,000	243,000
234				Private Well Connection Program	40,000	50,000					
235				Safety Additions to the Plant		67,000	72,000	76,000	80,000	84,000	88,000
236				Olin Admin Office Maintenance		70,000	51,000	55,000	59,000	63,000	143,000
237				Unit Well/PS/Reservoir Rehab/Maintenance		1,045,000	1,150,000	1,265,000	1,392,000	1,531,000	1,684,000
238				Paterson Vehicle Storage Bldg Maintenance		54,000	58,000	62,000	67,000	72,000	77,000
239				Paterson Office and Shop Maintenance		50,000	25,000	26,000	27,000	28,000	29,000
240				**Project Total**	**320,000**	**1,897,000**	**2,074,000**	**2,231,000**	**2,774,000**	**2,336,000**	**2,598,000**
241											
242				**Total Estimated Annual Costs**	**20,009,000**	**24,586,000**	**28,416,500**	**27,786,000**	**20,684,000**	**17,982,000**	**28,778,000**
243				Facility Reinvestment and Renewal Goal		3.360			Facility Reinvestment and Renewal Goal		3.89
244				Facility Reinvestment and Renewal Actual		1.29			Facility Reinvestment and Renewal Actual		2.02
245											